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		ENCLOSURES (Check all that apply,	
	Fee Transmittal Form	Drawing(s)	After Allowance communication to Technology Center (TC)
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U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO. I-2-0455.1US SERIAL NO. 10/791,244

APPLICANT Yang et al.

FILING DATE March 2, 2004 GROUP 2681

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,412,620	05/1995	Cafarella et al.			
	5,487,069	01/1996	O'Sullivan et al.			
	5,559,757	09/1996	Catipovic et al.			
	5,577,066	11/1996	Schuchman et al.			
	5,612,978	03/1997	Blanchard et al.		-	
	5,796,814	08/1998	Brajal et al.			
	5,818,868	10/1998	Gaudenzi et al.			
	5,828,658	10/1998	Ottersten et al.			
	5,930,369	7/1999	Cox et al.			
	6,047,020	04/2000	Hottinen			
	6,097,753	08/2000	Ко			-
	6,128,276	10/2000	Agee			
	6,137,848	10/2000	Chennakeshu et al.			
	6,141,393	10/2000	Thomas et al.			
	6,144,711	11/2000	Raleigh et al.			
	6,181,714B1	01/2001	Isaksson et al.			
	6,188,717 B1	02/2001	Kaiser et al.			
	6,289,005 B1	09/2001	Katz			
	6,321,066 B1	11/2001	Katz et al.			
	6,321,082 B1	11/2001	Katz			
	6,320,903 B1	11/2001	Isaksson et al.			
	6,359,926 B1	03/2002	Isaksson et al.			
	6,359,938 B1	03/2002	Keevill et al.			
	6,363,128 B1	03/2002	Isaksson et al.			
	6,366,554 B1	04/2002	Isaksson et al.			
	6,377,632 B1	04/2002	Paulraj et al.	1		

EXAMINER	DATE CONSIDERED			

FORM PTO-1449  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT			ATTY. DOCKET NO. I-2-0455.1US  SERIAL NO. 10/791,244  APPLICANT Yang et al.			
			(U	se several sheets if necessary		
		U.S. PATENT	DOCUMENTS			
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF
	6,392,595 B1	05/2002	Katz et al.			
	6,396,801	05/2002	Upton et al.			
	6,438,174 B1	08/2002	Isaksson et al.			
	6,445,342 B1	09/2002	Thomas et al.			
	6,456,649 B1	09/2002	Isaksson et al.			
	6,466,629 B1	10/2002	Isaksson et al.			
	6,473,449 B1	10/2002	Cafarella et al.			
	6,473,453 B1	10/2002	Wilkinson			
	6,493,395 B1	12/2002	Isaksson et al.			
	6,505,053 B1	01/2003	Winters et al.			
	6,512,737 B1	01/2003	Agee			
	6,538,986 B2	03/2003	Isaksson et al.			
	6,553,012 B1	04/2003	Katz			
	6,611,855 B1	08/2003	Hellberg et al.			
	6,618,431 B1	09/2003	Lee			
	6,643,526 B1	11/2003	Katz	<u> </u>	<u> </u>	
	6,658,619 B1	12/2003	Chen			, <del></del> , -
	6,680,969 B1	01/2004	Molnar et al.	<u> </u>		
	6,662,024 B2	12/2003	Walton et al.			
	6,671,334 B1	12/2003	Kuntz et al.			
	6,684,065 B2	01/2004	Bult et al.			
	6,693,953 B2	02/2004	Cox et al.		1	
	6,724,743 B1	04/2004	Pigeonnat			
	6,729,929 B1	05/2004	Sayers et al.			
	6,744,320 B2	06/2004	Nguyen et al.			
	6,745,352 B2	06/2004	Cheng			
	EXAMINER		DATE C	ONSIDER	ED	**************************************

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			APPLICANT Yang et al.				
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(	Use several sheets if necessary)				···		
		U.S. PATEN	DOCUMENTS				
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS		DATE IF
	6,757,321 B2	09/2004	Pan et al.				
	6,760,388 B2	07/2004	Ketchum et al.				
	F	OREIGN PATE	ENT DOCUMENTS				
						TRAN	SLATION
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
	95/22859	08/1995	WO				
	95/27349	10/1995	WO				
	96/22638	07/1996	WO				
	0 766 468 A2	04/1997	EP				
	97/34421	09/1997	WO				
	97/35384	09/1997	WO				
	97/48192	12/1997	WO				Х
	98/09395	03/1998	WO				
	98/10545	03/1998	WO				
	98/10549	03/1998	WO				
	98/10550	03/1998	WO				
	98/10552	03/1998	WO				
	98/10553	03/1998	WO				
	98/10554	03/1998	WO				
	98/10555	03/1998	WO				
	98/18272	04/1998	WO				
	98/36596	08/1998	WO	<del> </del>			
	98/36598	08/1998	WO				
	98/36599	08/1998	WO				
	98/37638	08/1998	WO	1			
	99/49602	09/1999	WO				
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FORM PTO-1449		ATTY. DOCKET NO. I-2-0455.1US	;	SERIAL N 10/791,2		
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	FOREIGN PATEN	NT DOCUMENTS	<u> </u>			
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	SLATION NO
99/62280	12/1999	WO	1 05.00	000000	100	
00/11823	03/2000	WO		<u> </u>		
1 017 183 A2	07/2000	EP	-			
00/52872	09/2000	WO				
1 047 209 A1	10/2000	EP				
1 063 780 A2	12/2000	EP				
01/10065 A1	02/2001	WO				
01/33761 A1	05/2001	WO				
01/33791 A1	05/2001	WO				
01/47202 A2	06/2001	WO				
01/47203 A2	06/2001	WO				Х
1 119 146 A2	07/2001	EP				
01/53932 A2	07/2001	WO				
01/54300 A2	07/2001	WO				
01/54305 A1	07/2001	WO				
1 139 632 A1	10/2001	EP				
1 175 022 A2	01/2002	EP				
02/29977 A2	04/2002	WO				
02/054601 A1	07/2002	WO				
02/054537 A1	07/2001	WO				
02/061962 A1	08/2002	WO				
02/067527 A2	08/2002	WO				
02/073937 A2	09/2002	WO				
02/080483 A1	10/2002	WO				
WO/082683 A2	10/2002	WO				

٠	FORM PTO-1449		ATTY. DOCKET NO. I-2-0455.1US		SERIAL N 10/791,2		
	U.S. DEPARTMENT OF COMMERC PATENT AND TRADEMARK OFFICE	APPLICANT Yang et al.					
	INFORMATION DISCLOSURE STATEMENT BY APPLICANT		FILING DATE March 2, 2004		GROUI 2681	<b>P</b>	
	(Use several sheets if necessary)	)					
	F	OREIGN PATE	ENT DOCUMENTS	_			
						TRANS	SLATION
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
	02/082683 A2	10/2002	WO				
	1 255 387 A1	11/2002	EP				
	02/093779 A2	11/2002	WO				
	02/093784 A1	11/2002	WO				
	02/093819 A1	11/2002	wo				
	03/005291 A1	01/2003	WO				
	03/010898 A1	02/2003	WO				
İ	03/015292 A2	02/2003	WO				
	1 289 182 A2	03/2003	EP				
	03/026237 A2	03/2003	WO				
	03/028270 A1	04/2003	WO				
	1 300 999 A1	04/2003	EP				
	1 303 094 A2	04/2003	EP				
	03/044983 A2	05/2003	WO				
	03/081823 A1	10/2003	WO				
	03/084092 A2	10/2003	WO				
	1 357 693 A1	10/2003	EP		1		
	03/092212 A1	11/2003	WO				
	1 365 554 A1	11/2003	EP				
	2004/002047 A1	12/2003	WO				
	1 379 020 A1	01/2004	EP				
	2004/003743 A1	01/2004	WO				
	2004/008704 A1	01/2004	wo				
	2004/023704 A2	03/2004	WO				
	2004/023704 A2	03/2004	WO				
	EXAMINER		DATE C	ONSIDER	ED .		

FORM PTO-1449			ATTY. DOCKET NO. SERIAL NO. 1-2-0455.1US 10/791,244					
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			APPLICANT Yang et al.					
	INFORMATION DISCLOSURE STATEMENT BY APPLICANT			FILING DATE March 2, 2004		GROUF 2681	- -	
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		F(	DREIGN PATE	ENT DOCUMENTS		·		
	ļ					:		SLATION
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
		2004/032347 A1	04/2004	WO		:		
		1 411 693 A3	04/2004	EP				
		2004/036345 A2	04/2004	wo				
		2004/038984 A2	05/2004	WO				
		2004/059935 A1	07/2004	WO				
		2004/064298 A2	07/2004	WO				
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FORM PTO-1449	ATTY. DOCKET NO. I-2-0455.1US	SERIAL NO. 10/791,244			
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	APPLICANT Yang et al.				
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE March 2, 2004	GROUP 2681			
(Use several sheets if necessary)					
OTHER DOCUMENTS (Including A	uthor, Title, Date, Pertinent Pages,	Etc.)			
Quigley et al., U	.S. 2001/0055319 A1, December 2	001.			
Matsuoka et al., l	J.S. 2001/0049295 A1, December :	2001.			
Hudson, U.S	S. 2001/0033614 A1, October 2001				
Shattil, U.S	Shattil, U.S. 2002/0034191 A1, March 2002.				
Brunel, U	Brunel, U.S. 2002/0097784 A1, July 2002.				
Nangia et al.,	Nangia et al., U.S. 2002/0118765 A1, August 2002.				
Bitterlich et al.,	Bitterlich et al., U.S. 2002/0119803 A1, August 2002.				
Agee et al., U.S	Agee et al., U.S. 2002/0122465 A1, September 2002.				
Chillariga et al., U	Chillariga et al., U.S. 2002/0122406 A1, September 2002.				
Baum et al., U.	S. 2002/0126741 A1, September 20	002.			
Isaksson et al., U	Isaksson et al., U.S. 2002/0126768 A1, September 2002.				

EXAMINER	DATE CONSIDERED

FORM PTO-1449	ATTY. DOCKET NO. I-2-0455.1US	SERIAL NO. 10/791,244						
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	APPLICANT Yang et al.							
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE March 2, 2004	GROUP 2681						
(Use several sheets if necessary)								
OTHER DOCUMENTS (Including A	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
Pan et al., U	.S. 2002/0159415 A1, October 2002	2.						
Alamouti et al.,	, U.S. 2002/0159506 A1, October 20	002.						
Crilly, Jr., U	.S. 2002/0159537 A1, October 2002	2.						
Mestdagh, U.	Mestdagh, U.S. 2002/0186715 A1, December 2002.							
Ling et al., U	Ling et al., U.S. 2003/0003880 A1, January 2003.							
Ferris, U.S	Ferris, U.S. 2003/0004697 A1, January 2003.							
Ferris, U.S	Ferris, U.S. 2003/0008684 A1, January 2003.							
Min et al., U	Min et al., U.S. 2003/0021237 A1, January 2003.							
Min et al., U	Min et al., U.S. 2003/0021365 A1, January 2003.							
Bannasch et al	Bannasch et al., U.S. 2003/0022651 A1, January 2003.							
Shreve, U.	Shreve, U.S. 2003/0022680 A1, January 2003.							

EXAMINER	DATE CONSIDERED

T		
ATTY. DOCKET NO. I-2-0455.1US	SERIAL NO. 10/791,244	
APPLICANT Yang et al.		
FILING DATE March 2, 2004	GROUP 2681	
uthor, Title, Date, Pertinent Pages	s, Etc.)	
Arnesen, U.S. 2003/0026201 A1, February 2003.		
Pan et al., U.S. 2003/0035392 A1, February 2003.		
Walton et al., U.S. 2003/0035491 A1, February 2003.		
Walton et al., U.S. 2003/0043732 A1, March 2003.		
Pan et al., U.S. 2003/0043767 A1, March 2003.		
Hudson, U.S. 2003/0043887 A1, March 2003.		
Stopler et al., U.S. 2003/0043925 A1, March 2003.		
Ketchum et al., U.S. 2003/0048856 A1, March 2003.		
Webster et al., U.S. 2003/0058952 A1, March 2003.		
Mottier, U.S. 2003/0063557 A1. April 2003.		
.S. 2003/0072291 A1, April 2003.		
	I-2-0455.1US  APPL Yang FILING DATE March 2, 2004  S. 2003/0026201 A1, February 200 S. 2003/0035392 A1, February 200 J.S. 2003/0035491 A1, February 200 J.S. 2003/0043732 A1, March 200 J.S. 2003/0043767 A1, March 200 J.S. 2003/0043887 A1, March 200 J.S. 2003/0043925 A1, March 200 J.S. 2003/0048856 A1, March 200 J.S. 2003/0058952 A1, March 200 J.S. 2003/0063557 A1. April 2003.	

EXAMINER	DATE CONSIDERED

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FORM PTO-1449	ATTY. DOCKET NO. I-2-0455.1US	SERIAL NO. 10/791,244	
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	APPLICANT Yang et al.		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE March 2, 2004	GROUP 2681	
(Use several sheets if necessary)			
OTHER DOCUMENTS (Including	Author, Title, Date, Pertinent Page	s, Etc.)	
Huang et a	Huang et al., U.S. 2003/0076908 A1, April 2003.		
Magee et al., U.S. 2003/0076900 A1, April 2003.			
Jensen et a	Jensen et al., U.S. 2003/0081781 A1, May 2003.		
Branlund et	Branlund et al., U.S. 2003/0086366 A1, May 2003.		
Nilsson et al., U.S. 2003/0099216 A1, May 2003.			
Bjerke et al., U.S. 2003/0103584 A1, June 2003.			
Ketchum et al., U.S. 2003/0108117 A1, June 2003.			
Walton et al., U.S. 2003/0112880 A1, June 2003.			
Agee, U	Agee, U.S. 2003/0123384 A1, July 2003.		
Walton et a	Walton et al., U.S. 2003/0125040 A1, July 2003.		
Walton et a	al., U.S. 2003/0128658 A1, July 20	03.	

EXAMINER	DATE CONSIDERED
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ATTY. DOCKET NO. I-2-0455.1US	SERIAL NO. 10/791,244	
APPLICANT Yang et al.		
FILING DATE March 2, 2004	GROUP 2681	
Author, Title, Date, Pertinent Pages	s, Etc.)	
Dent, U.S., 2003/0129984 A1, July 2003.		
Castelain et al., U.S. 2003/0133403 A1, July 2003.		
Shattil, U.S. 2003/0147655 A1, August 2003.		
Wang et al., U.S. 2003/015021 A1, August 2003.		
Liang et al., U.S. 2003/0165131 A1, September 2003.		
Ketchum et al., U.S. 2003/0185310 A1, October 2003.		
Mottier, U.S. 2003/0215007 A1, November 2003.		
Mennenga et al., U.S. 2003/0216154 A1, November 2003.		
Yamaguchi, U.S. 2003/0227866 A1. December 2003.		
Ketchum et al., U.S. 2003/0235255 A1, December 2003.		
Knobel et al., U.S. 2004/0032354 A1, February 2004.		
	I-2-0455.1US  APPL Yang FILING DATE March 2, 2004  Author, Title, Date, Pertinent Pages S., 2003/0129984 A1, July 2003.  al., U.S. 2003/0133403 A1, July 203  U.S. 2003/0147655 A1, August 2003  U.S. 2003/015021 A1, August 200  S. 2003/0165131 A1, September 200  U.S. 2003/0185310 A1, October 200  U.S. 2003/0215007 A1, November 200  U.S. 2003/0216154 A1, November 200  U.S. 2003/0227866 A1. December 200  U.S. 2003/0235255 A1, December 200	

EXAMINER	DATE CONSIDERED

FORM PTO-1449	ATTY. DOCKET NO. I-2-0455.1US	SERIAL NO. 10/791,244	
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	APPLICANT Yang et al.		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE March 2, 2004	GROUP 2681	
(Use several sheets if necessary)			
OTHER DOCUMENTS (Including A	uthor, Title, Date, Pertinent Pages,	Etc.)	
Shor et al., U.	Shor et al., U.S. 2004/0032918 A1, February 2004.		
Hwang et al.,	Hwang et al., U.S. 2004/0052236 A1, March 2004.		
Shattil, U.	Shattil, U.S. 2004/0086027 A1, May 2004.		
Upton et al,	Upton et al, U.S. 2004/0086035 A1, May 2004.		
Sugar et al.,	Sugar et al., U.S. 2004/0087275 A1, May 2004.		
Agee et al,	Agee et al, U.S. 2004/0095907 A1, May 2004.		
Shattil, U.	Shattil, U.S. 2004/0100897 A1, May 2004.		
Yang et al.,	Yang et al., U.S. 2004/0101046 A1, May 2004.		
Lee et al., U	Lee et al., U.S. 2004/0116077 A1, June 2004.		
Petre et al.,	Petre et al., U.S. 2004/0120274 A1, June 2004.		
Roberts, U	.S. 2004/0120424 A1, June 2004.		

EXAMINER	DATE CONSIDERED

FORM PTO-1449		ATTY. DOCKET NO. I-2-0455.1US	SERIAL NO. 10/791,244
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Yang et al.	
		FILING DATE March 2, 2004	GROUP 2681
(Us	se several sheets if necessary)		
	OTHER DOCUMENTS (Including Au	uthor, Title, Date, Pertinent Pages	s, Etc.)
	Roberts, U	.S. 2004/0136399 A1, July 2004.	
	Shattil, U.	S. 2004/0141548 A1, July 2004.	
	Roberts, U.S. 2004/0142663 A1, July 2004.		
	Li et al, U.	S. 2004/0146024 A1, July 2004.	

EXAMINER	DATE CONSIDERED